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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael S. Freund *et al.* Art Unit : Unknown  
 Serial No. : 09/919,657 Examiner : Unknown  
 Filed : July 31, 2001  
 Title : SENSORS AND SENSING METHODS FOR DETECTING ANALYTES BASED ON CHANGES IN PKA OF A SENSING POLYMER

Commissioner for Patents  
 Washington, D.C. 20231

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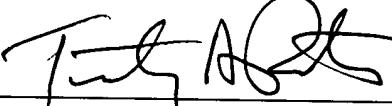
INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed before the receipt of a first Office action on the merits. No fee is required. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 2/14/02

  
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Sheet 1 of 1

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
06618/675001Application No.  
09/919,657

**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Michael S. Freund *et al.*Filing Date  
July 31, 2001Group Art Unit  
UnknownRECEIVED  
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C-1100**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	No
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**Other Documents (include Author, Title, Date, and Place of Publication)**

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	AA	Taj, S., et al., "Relationship between permselectivity and the acidity of polyphenols pertaining to the pH response of Pt/polyphenol electrode," <i>Synthetic Metals</i> 97, pages 205-209, 1998
	AB	Pringsheim, E., et al., "Optical sensing of pH using thin films of substituted polyanilines," <i>Analytica Chimica Acta</i> 357, pages 247-252, 1997
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	AD	Kikuchi, A., et al., "Glucose-Sensing Electrode Coated with Polymer Complex Gel Containing Phenylboronic Acid," <i>Analytical Chemistry</i> , Vol. 68, No. 5, pages 823-828, March 1, 1996
	AE	Moore, A.N.J., et al., "Redox switching of carbohydrate binding to ferrocene boronic acid," <i>Can. J. Chem.</i> , Vol. 77, pages 681-686, 1999
	AF	Hatchett, D.W., et al., "Acid Doping of Polyaniline: Spectroscopic and Electrochemical Studies," <i>J. Phys. Chem. B</i> , Vol. 103, No. 50, pages 10992-10998, 1999
	AG	McQuade, D.T., et al., "Conjugated Polymer-Based Chemical Sensors," <i>Chem. Rev.</i> , Vol. 100, No. 7, pages 2537-2574, 2000
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	AK	James, T.D., et al., "Saccharide Sensing with Molecular Receptors Based on Boronic Acid," <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 35, pages 1910-1922, 1996
	AL	Shoji, E., et al., "Potentiometric Sensors Based on the Inductive Effect on the pK <sub>a</sub> of Poly(aniline): A Nonenzymatic Glucose Sensor," <i>J. Am. Chem. Soc.</i> , Vol. 123, No. 14, pages 3383-3384, 2001 (published on Web March 16, 2001)
	AM	Bartlett, P.N., et al., "Poly(aniline)-poly(acrylate) composite films as modified electrodes for the oxidation of NADH," <i>Phys. Chem. Phys.</i> , Vol. 2, pages 2599-2606, 2000
	AN	Barker, S.A., et al., "The Interaction of Areneboronic Acids with Monosaccharides," <i>Carbohydrate Research</i> , Vol. 26, pages 33-40, 1973
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Signature

Date Considered

Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with  
tion to applicant.